THE HEATING AND VENTILATING MAGAZINE

INDEX TO VOLUME X

1913

NEW YORK
HEATING AND VENTILATING MAGAZINE CO.
1123 BROADWAY

Architecture of open air schools, John R. Van Pelt, Sept.
Air and water, purification of, by means of ozone, John C. Olsen, Dec.
conditions, regulating, in a glove steaming room, April.
ducts, the design of, L. A. Harding, April.
experiments on humidifying, at the Oliver Wendell Holmes School, Boston, Mass., Charles F. Eveleth, Oct.
how good, helps, Aug.
inorganic contamination of city, Arthur K. Ohmes, May.
moistening, hot water heating and, April.
perfumed, used to evade ventilation law, April.
washers and dust removal, Feb.
washing as a means of obtaining clean air in buildings, George C. and Melville C. Whipple, Sept.
American Society of Heating and Ventilating Engineers,
suggested topics for annual meeting, Jan.
New York Chapter, Jan., Feb., March., April, May, Aug., Nov., Dec.
sub-committee on entertainment for annual meeting, Jan.
Illinois Chapter, Jan., Feb., March, April, May, June, Nov., Dec.
issues year book, Jan.
Massachusetts Chapter, Jan., March, April, May, June, Nov., Dec.
nineteenth annual meeting, Feb.
New York Chapter discusses loft ventilation, March.
dinner of New York heating trade, June.
tests to be conducted at heating engineers' meeting, July.
proceedings of mid-summer meeting, Aug.
meeting of society to amend charter, Oct.
progress in drafting model compulsory ventilation law, Oct.
officers nominated for New York Chapter, Oct.
annual meeting of New York Chapter, Nov.
nomination of society officers for 1914, Nov.
American Society of Mechanical Engineers, Oct., Nov.
Automatic supply and exhaust ventilation for a residence, July.

Baldwin, William J., Baldwin on chimneys, Oct.
lecture on school ventilation, Nov.
the development of the switch damper, Jan.
Ballard, F. W., district steam heating, with high pressure steam, June.
Bass, Frederic, school room ventilation with reduced air supply, through individual ducts, Aug.
Beaver Falls heat transmission testing station, Nov.
Berry, Clinton E., downward ventilation in a Rockford, Ill., school house, March.
discussion of, April.
Bolton, Reginald Pelham, engineers in civic affairs, Feb.
Boston, record of the weather in, for Nov., 1912, Jan.
record of the weather in, Dec., 1912, Feb.
record of the weather in, for Jan., 1913, March.
record of the weather in, for Feb., 1913, April.
record of the weather in, for March, 1913, May.
record of the weather in, for April, 1913, June.
record of the weather in, for Oct., 1913, Dec.
Brass flanges and pipe thread gauges, new standards for, Nov.
British Institution of Heating and Ventilating Engineers, summer meeting of, July.
autumn meeting of, Dec.
Busey, Frank L. and Willis H. Carrier, the design on indirect heating systems with respect to maximum economy and operation, March.

Carrier, Willis H., fan heating systems for foundries, Jan.
and Frank L. Busey, the design of indirect heating systems with respect to maximum economy and operation, March.
Cars, ventilation of steel sleeping, Thomas R. Crowder, May.
Central station heating, in the smaller cities, Hal C. Kimbrough, Nov.
Toledo Rail-Light Co.'s new schedule of rates for hot water, June.
present tendencies in the generation and distribution of heat from a, Byron T. Gifford, May.
Chart for determining size of pipe for gravity hot water heating systems, M. S. Cooley, Sept.
Chasser, George, temperature guarantees and the heat loss factor, Nov.
Chicago Normal School, ventilation experiments at, Illinois Chapter, April.
Chicago, record of the weather in, for Nov., 1912, Jan.
record of the weather in, for Dec., 1912, Feb.
record of the weather in, for Jan., 1913, March.
record of the weather in, Feb., 1913, April.
record of the weather in, for March, 1913, May.
record of the weather in, for April, 1913, June.
record of the weather in, for October, 1913, Dec.
theatre ventilation ordinance, attempt to nullify, Sept.
theatre ventilation situation in, Oct.
Chimneys, Baldwin on, Oct
Cleveland, a heating and ventilating engineer for, May.
municipal heating plant, Feb.
plans to enlarge, June.
new building code, heating and ventilating sections of, Dec.
Consulting Egineer, the,
8. a remedy for insufficient heating capacity, Jan.
9. arranging a modulated steam system for hot water radiation, Jan.
10. figuring static pressure of frictional loss in fan work, Jan.
11. connections to circulating pumps in hot water heating, Feb.
12. connections between live and exhaust steam heaters in forced hot water heating, Feb.

The Consulting Engineer (Continued)
13. design of vacuum heating systems, March.
14. expansion joint in concrete wall, March.
15. use of O. S. fittings on hot water work, April.
16. loss of velocity head in air chambers, April.
17. varying sizes of pipes in hot water work, June.
18. how to figure boiler horse power, July.
19. picture theatre ventilating, Aug.
19. heating building of saw-tooth construction, Sept.
20. efficiency of heat transmitting apparatus, Oct.
21. effect of temperature on relative humidity of air, Nov.
22. connecting two flues to one chimney, Nov.
23. rules for computing hot water radiation, Dec.
Cooley, M. S., chart for determining size of pipe for gravity hot water heating systems, Sept.
vacuum cleaning systems, Jan., Feb.
Cooling equipment, unique heating and, for a factory building, Bosch Magneto Co., Springfield, Mass., June.
Cooper, Frank Irving, improved air conditions in a Boston residence, Feb.
Correspondence:
admitting cold air to rooms, Jan.
ventilation for loft buildings, March.
electrical heating apparatus for Boston residence, March.
energy of air in ventilating flues, July.
two definitions of body temperature, Nov.
Baldwin on chimneys, Nov.
Crowder, Thomas R., M. D., ventilation of steel sleeping cars, May.
Current heating and ventilating literature, Jan., March, April, May, July, Aug., Nov., Dec.

Damper, development of the switch, William J. Baldwin, Jan.
Davidson, C. J., is district heating profitable to the central station? July.
Daniell, C. E., changing a heating plant from high to low pressure steam, June.
heating system with boilers used interchangeably for steam and hot water, sanitorium of the Metropolitan Life Insurance Co., Mt. McGregor, N. Y., Dec.
District heating profitable to the central station, is? C. J. Davidson, July.
steam heating with high pressure steam, F. W. Ballard, June.
Dust removal, air washing and, Feb.
Dye house, removal of steam from, New York Chapter, May.

Effect of humidity, temperature and barometric pressure on the blood pressure, B. Raymond Hoobler, A.M., M.D., Jan.
Efficiency living plan, an, July.
Society, the, Sept.
Eight-hour law, circular letter on the, Sept.
Electric car heater, new, June.
heating—improved air conditions in a Boston residence, Frank Irving Cooper, Feb.
Electricity, heating by, in Seattle, April.
operating a hot water heating plant by, Sept.
Engineers in civic affairs, Reginald Pelham Bolton, Feb.
Eveleth, Charles F., experiments on humidifying air at the Oliver Wendell Holmes School, Boston, Mass., Oct.
Exhaust systems, requirements for, laid down by the New York State Department of Labor, April.
Experiments on humidifying air at the Oliver Wendell Holmes School, Boston, Mass., Charles F. Eveleth, Oct.
some, on the ventilation of a school room, John W. Shepherd, Dec.

Factory buildings, operating economies in heating, Edward L. Wilder, July.
heating, notes from a data book on, New York Chapter, May.
ventilation law, New York State's new, June, Nov.
Factories, office practice in estimating heating and ventilating for, E. W. Smallman, Jan.
Fan equipment for the McAlpin hotel, New York, April.
heating systems for foundries, Wilns H. Carrier, Jan.
patent, Sirocco, upheld, Nov.
Figuring pipe sizes for hot water heating apparatus, I. V. Serginsky, M.E., Nov.
Fire protection, wanted for government buildings, Aug.
Flanged fittings, new standard for, Oct.
Foundries, fan heating systems for, Willis H. Carrier, Jan.
Franklin, Milton W., ozone in ventilation, Oct., Nov.
Froebel School, Gary, Ind., heating apparatus for the, July.

Gas heaters, use of, in residence heating, July.
heating an exposition building with artificial, A. H. Gindell, Jan.
Gifford, Byron T., efficiency of underground steam main construction, May.
present tendencies in the generation and distribution of heat from a central station, May.
Gindell, A. H., heating an exposition building with artificial gas, Jan.
Goodchild, J. F., effects of back drafts in dusty ventilating ducts, July.
Greenhouses, successful rules for heating, W. J. Wright, April.
Gulick, Dr. Luther H., ventilation and recirculation, Oct.
Gymnasiums, ventilation of, J. H. McCurdy, M.D., Nov.

Harding, L. A., the design of air ducts, April.
Heat from a central station, present tendencies in the generation and distribution of, Byron T. Gifford, May.
loss factor, temperature guarantees and the, George Chasser, Nov.
Heated by pipes under floor, building, March.
Heater, new electric car, June.
Heating an exposition building with artificial gas, A. H. Gindell, Jan.
apparatus, hot water, figuring pipe sizes for, I. V. Serginsky, M.E., Nov.
apparatus for the Froebel School, Gary, Ind., July.
by electricity in Seattle, April.
central station, in the smaller cities, Hal C. Kimbrough, Nov.
contractor against the general contractor, case of, Nov.
district steam, with high pressure, F. W. Ballard, June.
electric—improved air conditions in a Boston residence, Frank Irving Cooper, Feb.
factory, notes from a data book on, New York Chapter, May.
greenhouses, successful rules for, W. J. Wright, April.
hot panel and hot floor border system of, Capt. H. Riall Sankey, May.
hot blast, for an ice skating rink, April.
house, radiation formula for, Charles F. Smith, March.
is district, profitable to the central station, C. J. Davidson, July.
large factory buildings, operating economies in, Edward L. Wilder, July.
of the D. & H. R. R. shops, Watervliet, N. Y., March.
plant, changing a, from high to low pressure steam, C. E. Daniell, June.
properties, appraisal of, July.
service, meter rate vs. flat rate for steam, H. R. Wetherell, Dec.
systems with boilers used interchangeably for steam and hot water, sanitorium of the Metropolitan Life Insurance Co., Mt. McGregor, N. Y., C. E. Daniell, Dec.
systems, comparative advantages of, Sept.
systems, design of indirect, with respect to maximum economy and operation, Frank L. Busey and Willis H. Carrier, March.
systems, fan, for foundries, Willis H. Carrier, Jan.
Heating and cooling equipment for a factory building, Bosch Magneto Co., Springfield, Mass., June.
Heating and ventilating congress at Cologne, March.
and ventilating details of the New York general post office, March.
arrangement of the thermostatic regulation apparatus in, April.
ventilating equipment of the Newark Normal School, Newark, N. J., May.
ventilating in Europe, house, June.
ventilating installations, proposed code pertaining to, June.
ventilation for factories, office practice in estimating, E. W. Smallman, Jan.
ventilating and cooling on a large scale, machine shop, Feb.
Hoobler, B. Raymond, A.M., M.D., effect of humidity, temperature and barometric pressure on the blood pressure, Jan.
Hospital for the New York Society for the Relief of the Ruptured and Crippled, modern equipment for a public institution, Oct.
with glass rooms, a, Aug.

Hot panel and hot floor border system of heating, Capt. H. Riall Sankey, R.E., May.
Hot water heating and air moistening, April.
heating formulas, a comparison of, Dec.
heating, Ohio Public Service Commission promulgates new rates, rules and regulations for central station, May.
heating plant, operating a, by electricity, Sept.
heating systems, chart for determining size of pipe for gravity, M. S. Cooley, Sept.
Hotel heating system, a modern—McAlpin Hotel, New York, Aug.
Hough, Theodore, the primary physiological purpose of ventilation, Sept.
Hubbard, Elbert, on trade papers, Sept., Oct., Nov., Dec.
Humidity, temperature and barometric pressure, effect of, on blood pressure, B. Raymond Hoobler, A.M., M.D., Jan.
method of supplying, to rooms, Dec.
Hygrometric chart, a unique, April.

Ice skating rink, hot blast heating for an, April.
Illinois, for separate heating and plumbing contracts in, Dec.
Improved air conditions in a Boston residence, Frank Irving Cooper, Feb.
Industrial and technical education, conference, Nov.
Inorganic contamination of city air, Arthur K. Ohmes, May.
International Congress on School Hygiene, forthcoming, Aug.
report of, Sept.

Kayser & Co., Julius—factory of—regulating air conditions in a glove steaming room, April.
Kimbrough, Hal C., central station heating in the smaller cities, Nov.

Legal decisions.
landlord's duty to heat apartment, Jan.
patent—discharge valve for steam radiation, Jan.
directors of heating corporation not liable individually, Jan.
employers' duty as to safe appliances, March.
breach of warranty—measure of damages where new furnace is installed, March.
infringement of rubber packing patent, March.
evidence of negligence, May.
original contractor as a materialman, May.
no implied warranties in contract containing express warranties, May.
central heating company may require installation of thermostat, June.
responsibility for delay, June.
substantial performance of contract, June.
test of heating capacity of furnace, July.
installation—defects due to architect's directions, Aug.
fraud—necessity to prove damage, Aug.
restriction of price of patented article—jurisdiction, Aug.
"scaffold"—employers' liability act, Aug.
liability for escape of steam, Sept.
performance of contract—architect's certificate, Sept.
lighting franchise may include power and heating, Dec.
exclusive light contract—construction, Dec.
"Interstate Commerce"—Sale, Dec.
what are "winter months" in a covenant to heat premises? Dec.
Labor law, New York's new, and how it will operate, Nov.

McAlpin Hotel, New York, fan equipment for, April.
heating system of, Aug.
McCurdy, J. H., M. D., ventilation of gymnasiums, Nov.
Measuring air velocities through registers, April.
Mechanical equipment for a public institution, hospital for the New York Society for the Relief of Ruptured and Crippled, Oct.
Meier, Konrad, theory and practice in engineering work.
1. hot water heating, June.
2. forced hot water heating systems, July.
3. steam heating, Aug.
4. warm air heating and ventilating, Sept.
Modern vacuum cleaning apparatus.
1. the Arco Wand vacuum cleaner, Jan.
2. Moorhead vacuum cleaning machine, Feb.
3. Invincible vacuum cleaner, Feb.
4. Richmond vacuum cleaners, March.
5. The Tuec air cleaning system, April.

Modern vacuum cleaning apparatus (con'd)
6. the Spencer turbine cleaners, May.
7. the Rotrex vacuum cleaning system, July.
8. the Challenge system of vacuum cleaning, July.
9. Connersville vacuum cleaners, Aug.
10. Dunn's improved vacuum cleaning system, Sept.
11. Western Electric-Sturtevant vacuum cleaners, Oct.
12. Santo-Duplex stationary vacuum cleaners, Nov.
Murphy, E. T., a tale of three bottles, May.
Machine shop heating, ventilating and cooling on a large scale, Feb.

National Association of Master Plumbers, July.
National Association of Master Steam and Hot Water Fitters.
date set for annual meeting, Jan.
Michigan master steam fitters organize, April.
New York City master steam fitters' association, May.
silver anniversary featured at 25th annual convention, July.
Iowa state association, July.
New Jersey state association, July.
New York state association, July.
supplementary report of annual convention, Aug.
National District Heating Association, May, June, Aug.
programme of annual meeting, May.
proceedings of fifth annual convention, June.
National Pipe and Supplies Association, May.
New Books.
Boyd's Workmen's Compensation and Industrial Insurance, H. T. Manning, July.
Chloride of Lime in Sanitation, Albert H. Hooker, April.
Elements of Heating and Ventilating, Arthur M. Greene, July.
Scientific Building Operation, March.
Newark Normal School, Newark, N. J., heating and ventilating equipment of the, May.
New York City's school buildings, new rules for ventilating, Feb.
New York City, school ventilation in, C. E. Winslow, Sept.
General Post Office, heating and ventilating details of the, March.
arrangement of thermostatic regulation apparatus in the, April.
New York City, record of the weather in, for Nov., 1912, Jan.
record of the weather in, for Dec., 1912. Feb.
record of the weather in, for Jan., 1913, March.
record of the weather in, for Feb., 1913, April.
record of the weather in, for March, 1913, May.
record of the weather in, for April, 1913, June.
record of the weather in, for Oct., 1913, Dec.
New York, constitutional amendment passed in, opening way for workmen's compensation law, Nov.
State's new factory ventilation law, June.
State's new labor law and how it will operate, Nov.
State department of labor, requirements for exhaust systems laid down by, April.
State, regulation of steam heating corporations in, Oct.

Ohmes, Arthur K., inorganic contamination of city air, May.
Ontario Society of Heating and Ventilating Engineers, Oct.
Ohio flood sufferers, the trade's contributions to the, May.
Public Service Commission promulgates new rates, rules and regulations for central station hot water heating, May.
Olsen, J. C., purification of air and water by means of ozone, Dec.
Open air schools, the architecture of, John R. Van Pelt, Sept.
Operating economies in heating large factory buildings, Edward L. Wilder, July.
Ozone in ventilation, Milton W. Franklin, Oct., Nov.
Ozone, purification of air and water by means of, J C. Olsen, Dec.

Patent, Sirocco fan, upheld, Nov.
Pennsylvania, for separate contracts in, May.
enacts separate contract law, June.
Picture theatres, rules promulgated for the ventilation of, April.
Pipe chart for gravity hot water heating, M. S. Cooley, Sept.
sizes, figuring, for hot water heating apparatus, I. V. Serginsky, M. E., Nov.

264547

Pipe—con'd)
thread gauges, new standards for brass flanges and, Nov.
Pipes, placing air, to get maximum heat, Sept.
Pittsburgh, record of the weather in, for Nov., 1912, Jan.
record of the weather in, for Dec., 1913, Feb.
record of the weather in, for Jan., 1913, March.
record of the weather in, for Feb., 1913, April.
record of the weather in, for March, 1913, May.
record of the weather in, for April, 1913, June.
record of the weather in, for Oct., 1913, Dec.
Prentis, H. W., Jr., present practice in insulating underground steam lines, July.
Profit sharing for architect and engineer, March.
Primary physiological purpose of ventilation, Theodore Hough, Sept.
Purification of air and water by means of ozone, J. C. Olsen, Dec.

Radiation formula for house heating, Charles F. Smith, March.
formulas, a comparison of thirteen, A. C. Rogers, Aug.
Radiator and fireplace on porch, May.
Registers, measuring air velocities through, April.
Rogers, A. C., a comparison of thirteen radiation formulas, Aug.

St. Louis, record of the weather in, for Nov., 1912, Jan.
record of the weather in, for Dec., 1912, Feb.
record of the weather in, for Jan., 1913, March.
record of the weather in, for Feb., 1913, April.
record of the weather in, for March, 1913, May.
record of the weather in, for April, 1913, June.
record of the weather in, for Oct., 1913, Dec.
Sanitorium of the Metropolitan Life Insurance Co., Mt. McGregor, N. Y., heating system with boilers used interchangeably for steam and hot water, C. E. Daniell, Dec.
Sankey, Capt. H. Riall, hot panel and hot floor border system of heating, May.
School room, some experiments on the ventilation of a, John W. Shepherd, Dec.
ventilation, experiments in, with reduced air supply through individual ducts, Frederic Bass, Aug.
School ventilation in New York City, C. E. A. Winslow Sept.
ventilation, lecture on, William J. Baldwin, Nov.
Serginsky, I. V., M. E., figuring pipe sizes for hot water heating apparatus, Nov.
Separate contract bill, Massachusetts Chapter, March.
opposition to, April.
contracts in Pennsylvania, for, May.
contract law, Pennsylvania enacts, June.
Shepherd, John W., some experiments on the ventilation of a school room, Dec.
Shoe and Leather Bank, New York—changing a heating plant from high to low pressure steam, C. E. Daniell, June.
Sirocco fan patent upheld, Nov.
Smallman, E. W., office practice in estimating heating and ventilation for factories, Jan.
Smith, Charles F., radiation formula for house heating, March.
Standards, new, for brass flanges and pipe thread gauges, Nov.
new, for flanged fittings, Oct.
Steam main construction, efficiency of underground, Byron T. Gifford, May.
heating corporations in New York State, regulation of, Oct.

Tale of three bottles, E. T. Murphy, May.
Technical, industrial and, educational conference, Nov.
Temperature guarantees and the heat loss factor, George Chasser, Nov.
Theatre ventilation—new rules promulgated for the ventilation of picture theatres, April.
attempt to nullify in Chicago, Sept.
situation in Chicago, Oct.
Theory and practice in engineering, Konrad Meier.
1. hot water heating, June.
2. forced hot water heating systems, July.
3. steam heating, Aug.
4. warm air heating and ventilating, Sept.
Thermostatic regulation apparatus, arangement of, in New York general post office, April.
Toledo Rail-Light Co.'s new schedule of rates for hot water heating, June.
Trade papers, Elbert Hubbard on, Sept., Oct., Nov., Dec.
press, a convention of the, July.

Underground steam lines, present practice in insulating, H. W. Prentis, Jr., July.
steam main construction, efficiency of, Byron T. Gifford, May.
U. S. standard flange schedule, extension of, Jan.

Vacuum cleaner manufacturers' association organization of, Dec.
cleaning machine, novel use of, June.
Vacuum cleaning, Maxwell S. Cooley.
the carpet renovator, Jan.
vacuum cleaning tests, Feb.
Ventilating ducts, effect of back drafts in dusty, J. F. Goodchild, July.
experiments at Chicago Normal School, Illinois Chapter, April.
New York City school buildings, new rules for, Feb.
Ventilation and recirculation, Dr. Luther H. Gulick, Oct.
automatic supply and exhaust, for a residence, July.
bequest to provide for research work in, June.
downward, in a Rockford, Ill., school house, Clinton E. Berry, March.
discussion of April.
law, New York State's new factory, June, Nov.
law, perfumed air used to evade, April.
lecture on, William J. Baldwin, Nov.
of a school room, some experiments on the, John W. Shepherd, Dec.
of cellars, Sept.
of dining cars, March.
of gymnasiums, J. H. McCurdy, M. D., Nov.
of loft buildings, New York Chapter, March.
of moving picture theatres, rules promulgated for the, April.
of steel sleeping cars, Thomas R. Crowder, M. D., May.
ozone in, Milton W. Franklin, Oct., Nov.
school, in New York City, C. E. A. Winslow, Sept.
school room, with reduced air supply through individual ducts, Frederic Bass, Aug.
the primary physiological purpose of, Theodore Hough, Sept.

Wetherell, H. L., meter rate vs. flat rate for steam heating service, Dec.
Whipple, George C. and Melville C., air washing as a means of obtaining clean air in buildings, Sept.
Wilder, Edward L., operating economies in heating large factory buildings, July.
Window tax, the English, Aug.
Winnipeg horse show ampitheatre—hot blast heating for an ice skating rink, April.
Winslow, C. E. A., school ventilation in New York City, Sept.
Workmen's compensation law, constitutional amendment passed in New York opening way for, Nov.
Wright, W. J., successful rules for heating greenhouses, April.